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# Panel on Transforming Health Care

## **Status Report**

**President's Information Technology  
Advisory Committee  
Meeting**

**May 18, 2000**

**Sherrilynn Fuller, Co-Chair**

**Ted Shortliffe, Co-Chair**

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# Overall Goal

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- Develop an IT research strategy and rationale to enable the “Transforming the Practice of Health Care” vision of the PITAC February 1999 report
- *Vision: Telemedicine applications are commonplace. Specialists use videoconferencing and telesensing methods to interview and even to examine patients who may be hundreds of miles away. Computer-aided surgery with Internet-based video is used to demonstrate surgical procedures to others. Powerful high-end systems provide expert advice based on sophisticated analysis of huge amounts of medical information. Patients are empowered in making decisions about their own care through new models of interaction with their physicians and ever-increasing access to biomedical information via digital medical libraries and the Internet. New communications and monitoring technologies support treatment of patients comfortably from their own homes.*

# Objectives

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- Define the scope of health care activities to be considered
- Seek out and consider in-scope government and industry R&D status and plans
- Gather and assess recent studies. Consider incorporating or supporting their recommendations in whole or in part
- Detail the vision of transformed health care, perhaps with milestones (10, 15 years?)
- Determine and explain the rationale for the technological capabilities required to implement the detailed vision

# Panel on Transforming Health Care Members

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## **Co-Chairs:**

Sherrilynne S. Fuller, Ph.D.  
University of Washington

Edward H. Shortliffe, M.D., Ph.D.  
Columbia University

## **PITAC Members:**

Robert E. Kahn, Ph.D.  
Corp. for National Research Initiatives

John P. Miller, Ph.D.  
Montana State University

Larry Smarr, Ph.D.  
National Center for Supercomputing Apps

## **Other Panel Members:**

Bruce Davie, Ph.D.  
Cisco Systems

Don E. Detmer, M.D.  
University of Virginia

John Glaser, Ph.D.  
Partners HealthCare System

Eric Horvitz, M.D., Ph.D.  
Microsoft Research

Takeo Kanade, Ph.D.  
Carnegie Mellon University

Sid Karin, Ph.D.  
San Diego Supercomputer Center

Russell J. Ricci, M.D.  
IBM Corporation

Bonnie Webber, Ph.D.  
University of Edinburgh

# Summary of May 17th Meeting

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- **Attendees:**

Sherrilynn Fuller

Ted Shortliffe

John Glaser

Bruce Davie, from CA telephone teleconference

Don Detmer, from UK via VTC

Eric Horvitz, from WA telephone teleconference

Takeo Kanade, from CMU via VTC

Sid Karin, from UCSD via VTC

John Miller

Russ Ricci

# Summary of May 17th Meeting

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- **Accomplishments**

- Endorsed the NRC report “Networking Health: Prescriptions for the Internet” research agenda and recommendations (<http://www.cstb.org> )
- Agreed to add to the NRC report's research agenda to expand beyond Internet-centric research
- Discussed next steps to determine the research needs, management structure and policies to accomplish the vision for transforming health care
  - meet with senior-level managers from relevant government organizations to discuss their views on needs and concerns
  - gather and assess other recent studies and consider incorporating or supporting their recommendations in whole or in part
  - identify policy/management issues to facilitate achieving the research agenda
- Developed schedule for completing the report

# Next Steps

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- Next meeting planned for July 27, 2000 in Washington, DC
- Draft report to be presented at PITAC meeting, September 20, 2000 in Washington, DC